

AMENDMENTS TO CLAIMS

Claim 1 (currently amended): A crash box comprising:
an outer hollow member; and
an internal member slideably mounted within the outer hollow member
including compression reducing arms extending towards an internal surface of the
outer hollow member; and
an expandable material provided on the extremities of the reducing arms
between the extremities of the arms and the inner surface of the hollow member;
~~said internal member being provided with compression reducing arms extending~~
~~towards the internal surface of the outer hollow member~~ wherein the expandable
material comprises a structural adhesive foam that foams under the conditions into
which a vehicle frame is subjected to in an e-coat or paint oven.

Claims 2-4 (canceled)

Claim 5 (currently amended): A crash box according to claim 2 1 wherein
spacers are provided to hold the internal member away from the internal surface of
the external member to allow the anticorrosion fluid to contact, substantially the
entire internal surface of the external member.

Claim 6 (original): A crash box according to claim 5 in which the spacers are
provided on the internal member.

Claim 7 (currently amended): A crash box according to claim 2 1 wherein the
external hollow member is cylindrical, hexagonal, rectangular or square in cross
section.

Claim 8 (currently amended): A crash box according to claim 2 1 wherein the
external hollow member is made of metal.

Claim 9 (currently amended): A crash box according to claim 2 1 wherein the external hollow member is made of rigid plastic material such as polypropylene, or nylon, optionally filled.

Claim 10 (currently amended): A crash box according to claim 2 1 wherein the internal member is made of metal.

Claim 11 (currently amended): A crash box according to claim 2 1 wherein the internal member is made of rigid thermoplastic material such as polypropylene, nylon or glass filled nylon.

Claim 12 (currently amended): A crash box according to claim 2 1 wherein the foamable material is attached to the extremity of the compression reducing arms by push pins.

Claim 13 (original): A crash box according to claim 12 in which the push pins act as spacers between the extremities of the compression reducing arms and the external hollow member.

Claim 14 (currently amended): A crash box according to claim 2 1 wherein the inner member is shorter than the outer hollow member.

Claim 15 (original): A crash box according to claim 14 wherein the inner member is shorter by from 1 centimeter to 10 centimeters.

Claim 16 (original): A crash box comprising:

an outer hollow member; and
an internal member slideably mounted within the outer hollow member, said internal member being provided with compression reducing arms extending towards the internal surface of the outer hollow member, wherein:

- i. compression reducing arms are provided with expandable material at their extremities adjacent to the inner surface of the hollow external member;
- ii. the expandable material is a structural adhesive foam;

- iii. the expandable material is selected so that it will foam under the conditions into which the vehicle frame is subjected in the e coat oven;
- iv. the external hollow member is cylindrical, hexagonal, rectangular or square in cross section;
- v. the inner member is shorter than the outer hollow member by from 1 centimeter to 10 centimeters;

spacers holding the internal member away from the internal surface of the external member to allow anticorrosion fluid to contact substantially the entire internal surface of the external member wherein the spacers are provided on the internal member.

Claim 17 (original): A crash box according to claim 16 wherein the external hollow member is made of metal or a rigid plastic material such as polypropylene, or nylon, optionally filled.

Claim 18 (original): A crash box according to claim 16 wherein the internal member is made of metal or a rigid thermoplastic material such as polypropylene, nylon or glass filled nylon.

Claim 19 (original): A crash box according to claim 16 wherein the foamable material is attached to the extremity of the compression reducing arms by push pins.

Claim 20 (original): A crash box according to claim 19 in which the push pins act as spacers between the extremities of the compression reducing arms and the external hollow member.

Claim 21 (new): A crash box comprising according to claim 16 wherein the expandable material is located between extremities of reducing arms and the inner surface of the hollow outer member.